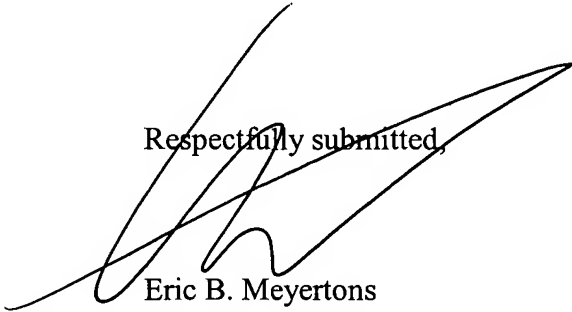


Inventors: Lin et al.
Appl. Ser. No.: 10/607,023
Atty. Dckt. No.: 5937-00204

Applicant believes no fees are due with this submission. Should any other fees be required, the Commissioner is authorized to charge said fees to Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. Deposit Account No. 50-1505/5937-00204/EBM.

Respectfully submitted,



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U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A1	3679360	1972-07-25	Rubin et al.			
	A2	5342441	1994-08-30	Mandai et al.			
	A3	5536575	1996-07-16	Imura et al.			
	A4	5569490	1996-10-29	Imura et al.			
	A5	5652016	1997-07-29	Shiro et al.			
	A6	6325987	2001-04-29	Sapieszko et al.			
	A7	5149368	22-Sep-1992	Liu et al.			
	A8	5180426	19-Jan-1993	Sumita			
	A9	5503164	2-Apr-1996	Friedman			
	A10	5814681	29-Sep-1998	Hino et al.			

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							Abstract

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

C1	Sugawara et al., "Calcium Phosphate Cement: An In Vitro study of Dentin Hypersensitivity", The Journal of the Japanese Society for Dental Materials and Devices, 1989, Vol. 8, pp. 282-294.
C2	Pickel et al., "The Effect of a Chewing Gum Containing Dicalcium Phosphate on Salivary Calcium and Phosphate", Ala. J. Med. Sci. 1965, Vol. 2, pp. 286-287.
C3	Matsuya et al., "Effects of pH on the Reactions of Tetracalcium Phosphate and Dicalcium Phosphate", IADR Abstack 1991.

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	C4	Sugawara et al., "Formation of Hydroxyapatite in Hydrogels from Tetracalcium Phosphate/Dicalcium Phosphate Mixtures," J. Nihon. Univ. Sch. Dent., 1989, Vol. 31, pp 372-381.					
	C5	Hong et al., "The Periapical Tissue Reactions to a Calcium Phosphate Cement in the Teeth of Monkeys," J Biomed Mater Res. April 1991, Vol. 25(4), pp. 485-98.					
	C6	DeRijk, et al., "Clinical Evaluation of a Hydroxyapatite Precipitate for the Treatment of Dentinal Hypersensitivity, Biomedical Engineering v. Recent Developments," Proc of 5th Southern Biomedical Engineering Conference, 1986, pp. 336-339. (Pergamon Press, New York)					
	C7	Groninger et al. "Evaluation of the Biocompatibility of a New Calcium Phosphate Setting Cement," J. Dent Res. 1984, 63 Abst. No. 270 (4 pages).					
	C8	Costantino et al., "Evaluation of a New Hydroxyapatite Cement: Part III, Cranioplasty in a Cat Model, The Fifth Intl. Symposium on Facial Plastic Reconstructive Surgery of the Head and Neck, Toronto, Canada 1989. (18 pages)					
	C9	Shindo, et al., "Facial Skeletal Augmentation Using Hydroxyapatite Cement," Arch. Otolaryngol. Head Neck Surg. 1993, Vol. 119, pp. 185-190.					
	C10	Briner et al., "Significance of Enamel Remineralization", J. Dent. Res. 1974, Vol. 53, pp. 239-243.					
	C11	Silverstone, "Remineralization Phenomena", Caries Res. 1977, Vol. 11 (Supp. 1), pp. 59-84.					
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	C14	Costantino et al., "Experimental Hydroxyapatite Cement Cranioplasty," Plastic and Reconstructive Surgery, 1992, Vol. 90, No. 2, pp. 174-185.					
	C15	Miyazaki et al., "An Infrared Spectroscopic Study of Cement Formation of Polymeric Calcium Phosphate Cement," Jour of the Jap. Society for Dent Mats & Devices, 1992, Vol. II, No. 2. (8 pages).					
	C16	Driskell et al., "Development of Ceramic and Ceramic Composite Devices for Maxillofacial Applications", J. Biomed. Mat. Res. 1972, Vol. 6, pp. 345-361.					
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	C18	Patel et al., "Solubility of $\text{CaHPO}_4 \cdot 2\text{H}_2\text{O}$ in the Quaternary System $\text{Ca}(\text{OH})_2$ -- H_3PO_4 -- NaCl -- H_2O at 25 °C.," J. Res. Nat. Bur. Stands. 1974, Vol. 78A, pp. 675-681.					
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	C20	Kenney et al., "The Use of a Porous Hydroxyapatite Implant in Periodontal Defects," J. Periodontal, 1988, pp. 67-72.					
	C21	Zide et al., "Hydroxyapatite Cranioplasty Directly Over Dura," J. Oral Maxillofac Surg. 1987, Vol 45, pp. 481-486.					
	C22	Waite, et al., "Zygomatic Augmentation with Hydroxyapatite," J. Oral Maxillofac Surg 1986, pp. 349-352.					

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	C23	Verwoerd, et al. "Porous Hydroxyapatite-perichondrium Graft in Cricoid Reconstruction, Acta Otolaryngol" 1987, Vol. 103, pp. 496-502.					
	C24	Grote, "Tympanoplasty With Calcium Phosphate," Arch Otolaryngology 1984, Vol. 110, pp. 197-199.					
	C25	Kent et al., "Alveolar Ridge Augmentation Using Nonresorbable Hydroxyapatite with or without Autogenous Cancellous Bone," J. Oral Maxillofac Surg 1983, Vol. 41, pp. 629-642.					
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	C27	Misch, "Maxillary Sinus Augmentation for Endosteal Implants: Organized Alternative Treatment Plans," Int J Oral Implant 1987, Vol. 4(2), pp. 49-58.					
	C28	Chohayeb, A. A. et al., "Evaluation of Calcium Phosphate as a Root Canal Sealer-Filler Material," J Endod 1987, Vol. 13, pp. 384-386.					
	C29	Brown et al., "Crystallography of Tetracalcium Phosphate," Journal of Research of the National Bureau of Standards. A. Physics and Chemistry. 1965, Vol. 69A, pp. 547-551.					
	C30	Sanin et al. "Particle Size Effects on pH and Strength of Calcium Phosphate Cement," IADR Abstract 1991.					
	C31	Chow et al., "X-ray Diffraction and Electron Microscopic Characterization of Calcium Phosphate Cement Setting Reactions," IADR Abstract, 1987. (1 page)					
	C32	Block et al. "Correction of Vertical Orbital Dystopia with a Hydroxyapatite Orbital Floor Graft," J. Oral Maxillofac Surg 1988, Vol. 46, pp. 420-425.					
	C33	Brown, "Solubilities of Phosphates and Other Sparingly Soluble Compounds", Environmental Phosphorous Handbook 1973, pp. 203-239. (John Wiley & Sons, New York)					
	C35	Gregory et al., "Solubility of $\text{CaHPO}_4 \cdot 2\text{H}_2\text{O}$ in the System $\text{Ca}(\text{OH})_2$ -- H_3PO_4 -- H_2O at 5, 15, 25, and 37.5 °C.," J. Res. Nat. Bur. Stand. 1970, Vol 74A, pp. 461-475.					
	C36	Gregory et al., "Solubility of β - $\text{Ca}_3(\text{PO}_4)_2$ in the System $\text{Ca}(\text{OH})_2$ -- H_3PO_4 -- H_2O at 5, 15, 25 and 37° C.," J. Res. Nat. Bur. Stand., 1974, Vol. 78A, pp. 667-674.					
	C37	McDowell et al., "Solubility of β - $\text{Ca}_5(\text{PO}_4)_3\text{OH}$ in the System $\text{Ca}(\text{OH})_2$ -- H_3PO_4 -- H_2O at 5, 15, 25 and 37 °C.," J. Res. Nat. Bur. Stand. 1977, Vol. 91A, pp. 273-281.					
	C38	McDowell et al., "Solubility Study of Calcium Hydrogen Phosphate. Ion Pair Formation," Inorg. Chem. 1971, Vol. 10, pp. 1638-1643.					
	C39	Moreno et al., "Stability of Dicalcium Phosphate Dihydrate in Aqueous Solutions and Solubility of Octocalcium Phosphate," Soil Sci. Soc. Am. Proc. 1960, Vol 21, pp. 99-102.					
	C40	Chow et al, "Self-Setting Calcium Phosphate Cements," Mat. Res. Soc. Symp. Proc. pp. 3-23.					
	C41	Miyazaki et al., "Chemical Change of Hardened PCA/CPC Cements in Various Storing Solutions", The Journal of the Japanese Soc. for Dental Materials and Devices, 1992, Vol. 11, No. 2.					
	C42	Fukase et al, "Thermal Conductivity of Calcium Phosphate Cement", IADR Abstract, 1990 (1 page).					
	C43	Sugawara et al. "Biocompatibility and Osteoconductivity of Calcium Phosphate Cement", IADR Abstract 1990. (1 page)					

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	C44	Miyazaki et al., "Polymeric Calcium Phosphate Cements", IADR Abstract 1990. (1 page).					
	C45	Link et al., "Composite of Calcium Phosphate Cement and Genetically Engineered Protein Bioadhesive," IADR Abstract 1991. (1 page)					
	C46	Matsuya et al., "Effects of pH on the Reactions of Tetracalcium Phosphate and Dicalcium Phosphate", IADR Abstract 1991. (1 page).					
	C47	Briner et al., "Significance of Enamel Remineralization", J. Dent. Res. 1974, Vol. 53, pp. 239-243.					
	C48	Chow, "Development of Self-Setting Calcium Phosphate Cements", Journal of The Ceramic Society of Japan, 1991, Vol. 99 [10], pp. 954-964.					
	C49	Brown et al., A New Calcium Phosphate, Water Setting Cement, Cements Research Progress 1986, P. W. Brown, Ed., Westerville, Ohio: American Ceramic Society, 1988, pp. 352-379.					
	C50	Sugawara et al., "Evaluation of Calcium Phosphate as a Root Canal Sealer-Filler Material" IADR/AADR Abstract, 1987, (3 pages).					
	C51	Sugawara et al., "In Vitro Evaluation of the Sealing Ability of a Calcium Phosphate Cement When Used as a Root Canal Sealer Filler," J. Endodontics, 1989, Vol 16, pp 162-165.					
	C52	Chow, "Calcium Phosphate Materials: Reactor Response" Adv Dent Res 1988, Vol 2(1), pp. 181-184.					
	C53	Fukase et al., "Setting Reactions and Compressive Strengths of Calcium Phosphate Cements", J Dent Res 1990, Vol 69(12), pp. 1852-1856.					
	C54	Miyazaki et al., "Chemical Change of Hardened PCA/CPC Cements in Various Storing Solutions", The Journal of the Japanese Soc. for Dental Materials and Devices, 1992, Vol. 11, No. 2, pp.48-64.					
	C55	U.S. Patent and Trademark Office, "Office communication" for U.S. Application Serial No. 10/944,278 mailed February 22, 2005 (8 pages).					
	C56	Claims from Co-Pending United States patent Appl. Ser. No. 10/773,701, 3 pages					
	C57	Claims from Co-Pending United States patent Appl. Ser. No. 10/944,278, 3 pages					
	C58	Claims from Co-Pending United States patent Appl. Ser. No. 10/940,922, 4 pages					
	C59	Claims from Co-Pending United States patent Appl. Ser. No. 10/633,511, 5 pages					
	C60	Claims from Co-Pending United States patent Appl. Ser. No. 10/780,728, 6 pages					
	C61	Claims from Co-Pending United States patent Appl. Ser. No. 10/852,167, 7 pages					
	C62	Claims from Co-Pending United States patent Appl. Ser. No. 10/982,660, 3 pages					
	C63	Claims from Co-Pending United States patent Appl. Ser. No. 10/145,901, 3 pages					

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